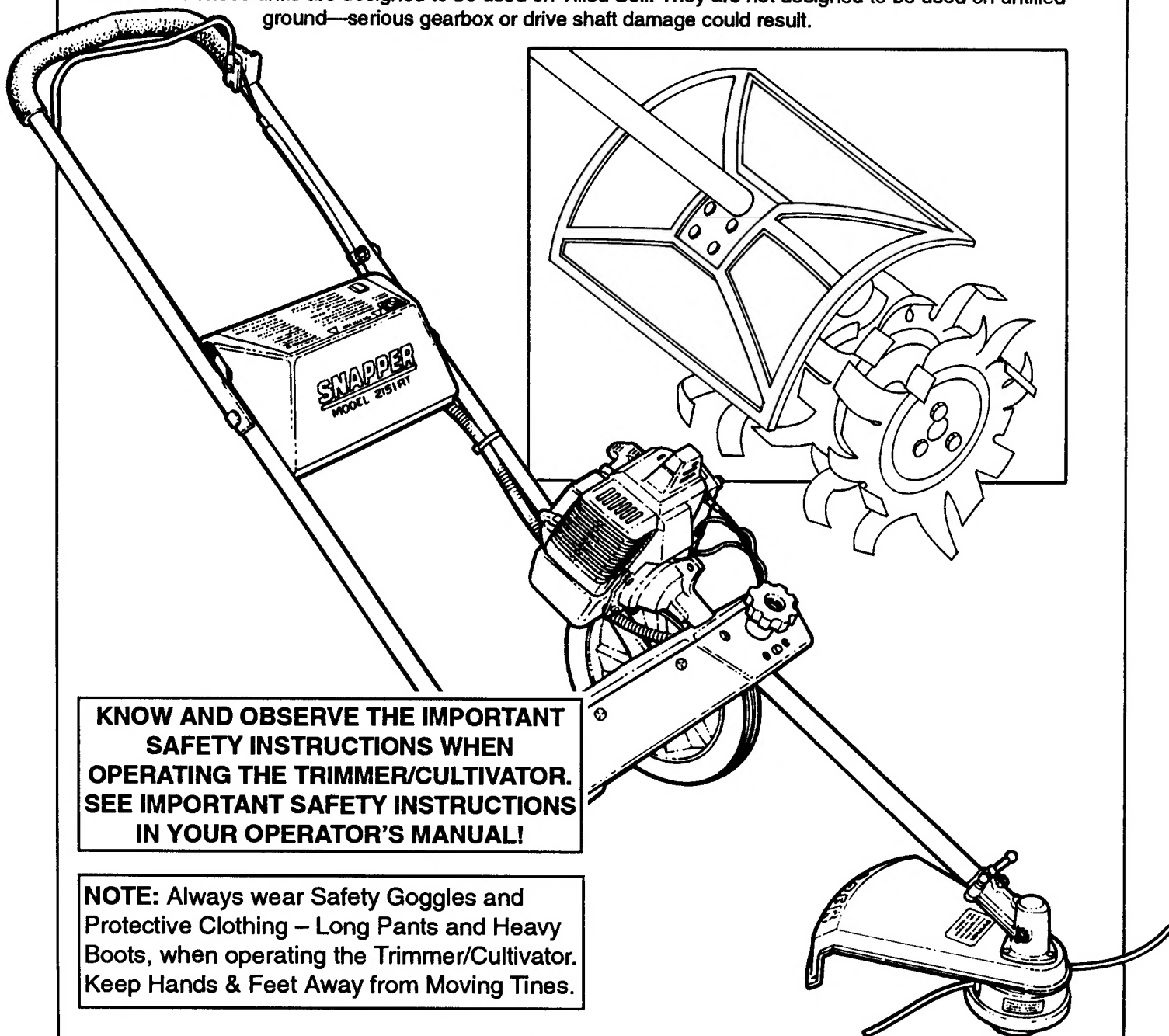


# #6-8170 R.T. CULTIVATOR KIT for **SNAPPER**®

## FOR MODELS 2151 & 2451 ROLLING TRIMMERS

### INTRODUCTION

The *SNAPPER* CULTIVATOR KIT converts the *SNAPPER* MODELS 2151 & 2451 ROLLING TRIMMERS to Cultivators. These units are designed to be used on Tilled Soil. They are not designed to be used on untilled ground—serious gearbox or drive shaft damage could result.



**KNOW AND OBSERVE THE IMPORTANT  
SAFETY INSTRUCTIONS WHEN  
OPERATING THE TRIMMER/CULTIVATOR.  
SEE IMPORTANT SAFETY INSTRUCTIONS  
IN YOUR OPERATOR'S MANUAL!**

**NOTE:** Always wear Safety Goggles and Protective Clothing – Long Pants and Heavy Boots, when operating the Trimmer/Cultivator. Keep Hands & Feet Away from Moving Tines.

**SNAPPER POWER EQUIPMENT**  
McDonough, GA., 30253 U.S.A.

**E/I**

**FUGUA  
INDUSTRIES  
Company**

## ASSEMBLING THE CULTIVATOR ATTACHMENT

1. Read these instructions completely. Unpack and inspect all items. Compare them to the Parts List.
2. Save the box to store the Trimming Head or the Cultivator Head when not installed.
3. Disconnect the Spark Plug Wire. It is recommended that gloves be worn when handling tines during assembly of the Cultivator.
4. Remove the Trimmer Head from the Drive Shaft. Loosen the 5mm Screw (B) and the T-Bolt (C). Remove the 5mm center Bolt (A). On the Model 2150 loosen the 1/2" Nut (D) on the Shield to tube bracket. Slide the Trimmer Head off of the Drive Shaft.  
**IMPORTANT:** Reinstall the Center Bolt (A) in the Trimmer Head to prevent it from being lost.
5. Slide the Shield Assembly (#14) onto the Main Tube Assembly with the *SNAPPER* logo pointing toward the operator.
6. Attach the Shield Bracket (#5) & Bracket Clamp (#6) to the Main Tube using screws (#7). The Shield Bracket should be mounted approximately 3 1/2" from the end of the Main Tube.
7. Attach the Shield Assembly to the Shield Bracket using screws, nuts & lock washers (#8, 9 & 10).
8. Remove Screw (1A) (use a Phillips Screw Driver or 10mm Nut Driver) from the Cultivator Gear Housing.
9. Slide the Gear Housing Assembly onto the Main Tube, engaging the square shanked Drive Shaft with the Gear Housing. Align hole in Main Tube with Bolt (1A) hole in housing. Reinstall Bolt (1A) and tighten. Tighten the Cultivator Gear Housing Bolt (1B) using a 10mm Nut Driver or Wrench.  
**NOTE:** Some earlier models may not have the hole in the Main Tube to receive Bolt (1A). If your trimmer does not have a secondary hole near the slot, slide the Gear Housing Assembly onto the Main Tube and align the Gear Housing Assembly so that the two output shafts are horizontal to the ground. Reinstall and "slightly" tighten screw (1A) making a mark on the Main Tube. Remove the housing and drill a 3/16" hole in the Main Tube. Remove all shavings from inside Main Tube. Reinstall the Gear Housing Assembly as stated above.
10. Remove the Clevis Pin (#13) and Hairpin Cotter (#11). With the directional arrow on the tine pointing in a forward rotational position, slide the inside Tines (#4) into position on the Tine Hub (#2). Secure the tines to the hub using the Screws (#12). Reinsert the Clevis Pin and Hairpin Cotter.
11. Remove the Clevis Pin (#13) and Hairpin Cotter (#11) from the Tine Hub (#2). Reinstall the Clevis Pin and Hairpin Cotter. Install Tines as described in Step #10.
12. Repeat Steps 10 & 11 on the other side.
13. Check to be sure that ALL screws are tight. Reconnect the Spark Plug Wire.
14. Refer to the Rolling Trimmer Operator's Manual for Starting Instructions.

**KNOW AND OBSERVE THE IMPORTANT SAFETY INSTRUCTIONS WHEN OPERATING THE TRIMMER/CULTIVATOR. SEE IMPORTANT SAFETY INSTRUCTIONS IN YOUR OPERATOR'S MANUAL!**

**NOTE:** Always wear Safety Goggles and Protective Clothing – Long Pants and Heavy Boots, when operating the Trimmer/Cultivator. Keep Hands & Feet Away from Moving Tines.

**NOTE:** Always Disconnect Spark Plug Wire **BEFORE** Inspecting, Servicing or Repairing the Cultivator.

### OPERATING TIPS:

For light tilling and weeding, allow the Cultivator to move forward across the soil.

For deeper cultivation, pull back slowly on the Cultivator while it is engaged.

### SERVICE TIPS:

1. Check to make sure that all screws on the Cultivator are tight after each use.
2. See Safety Instruction & Operator's Manual for your *SNAPPER* Rolling Trimmer, for specific details regarding the Engine and Drive Shaft.

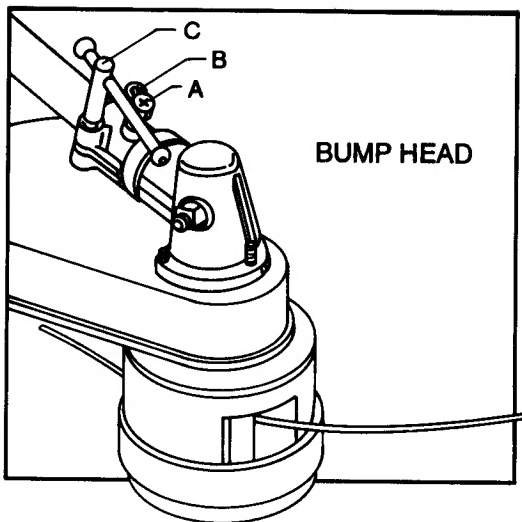
### CAUTION:

1. Be sure that the Shield Assembly is properly mounted and secured.
2. If Cultivator stalls because it is jammed with grass or debris, **STOP ENGINE** and disconnect the Spark Plug Wire before removing grass or debris.
3. With the clutch engaged and the tines rotating, resonance can be generated at low speed. Operation under this condition may wear the clutch and cause grass or debris to become jammed in the tines. Do Not Lug the engine.

### LUBRICATION:

Gear Head(#1)—Service every 20 hours.

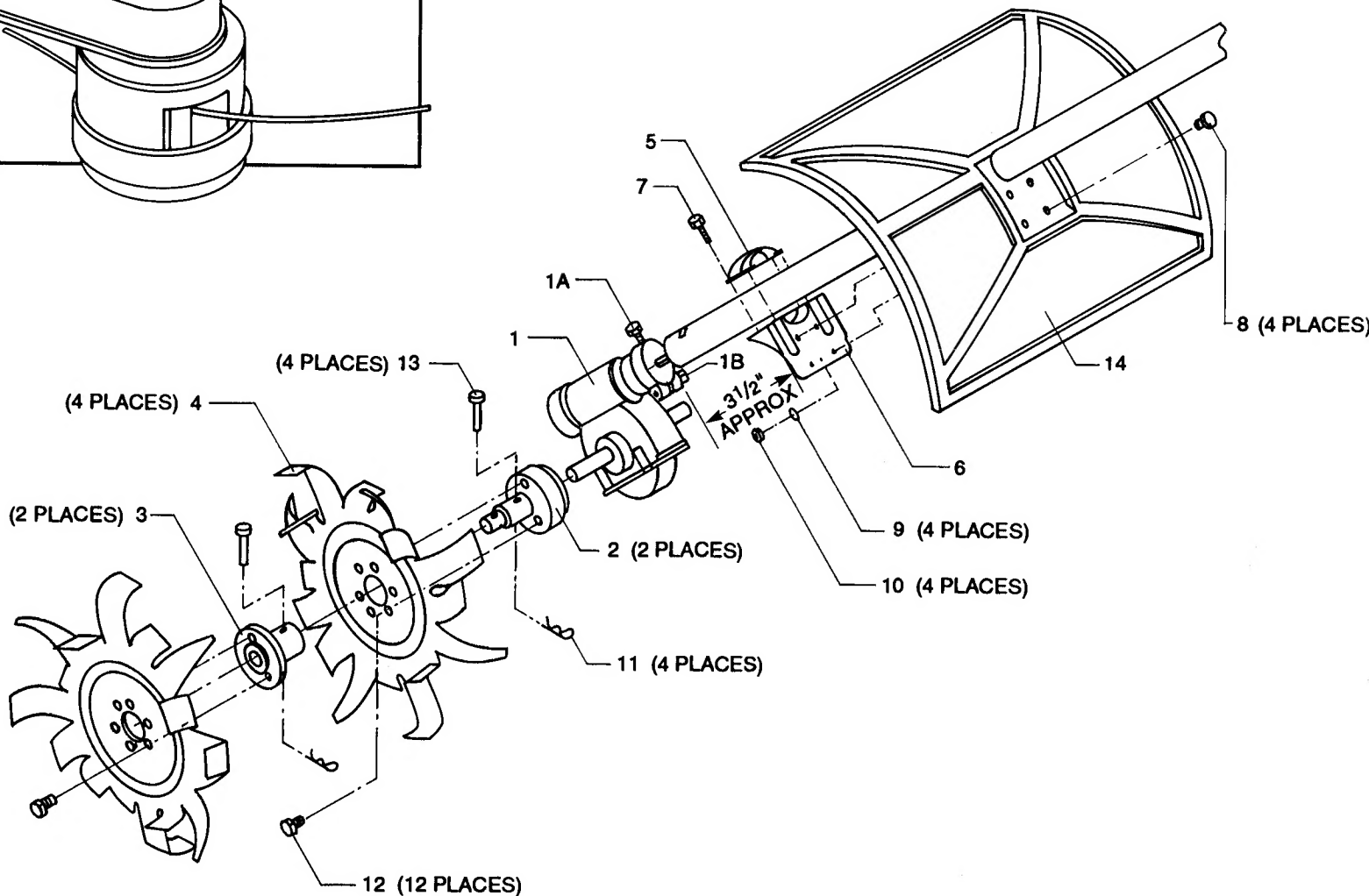
**CAUTION:** The Gear Head gets hot during operation — let it cool before servicing! Disconnect the Spark Plug Wire. Remove the Cover Plate (on the bottom of the Gear Head Housing) and fill the housing with lithium base #2 multi-purpose grease. Secure the cover plate to the Gear Head and reconnect the Spark Plug.



BUMP HEAD

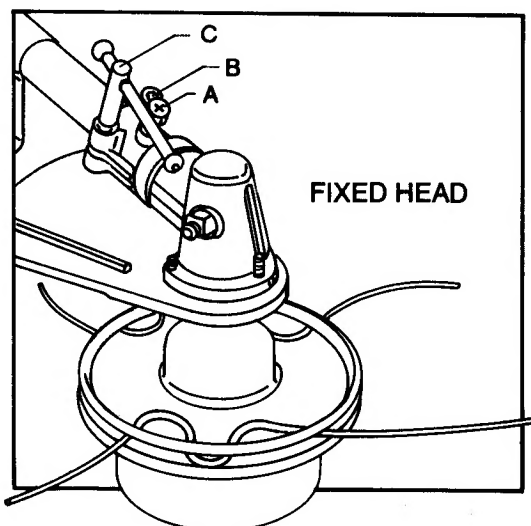
### TOOLS LIST:

Phillips Head Screw Driver  
8mm or 5/16" Nut Driver or Wrench  
10mm Nut Driver or Wrench  
1/2" Box End Wrench  
3/16" High Speed Drill Bit  
Drill Motor



### PARTS LIST:

1. 43141 Gear Head Assy. for R. T. Cultivator Kit
2. 16217 Tine Hub Cultivator Attachment (2)
3. 16218 Tine Hub Extension R. T. Cultivator (2)
4. 32878 Cultivator Tine For R. T. Attachment (4)
5. 43143 Bracket Clamp
6. 43142 Shield Bracket
7. 43145 M5 x 18mm Hex Screw W/SLW (2)
8. 43146 M5 x .08 14mm Large Recess Pan Head Screws W/Flat Washers (4)
9. 43147 M5 Split Lock Washers (4)
10. 43148 M5 Hex Nuts (4)
11. 12431 1/4" Hairpin Cotters (4)
12. 91129 1/4"- 20 1/2" Nylok Screw (12)
13. 43144 M6 x 28 Clevis Pins (4)
14. 52139 Shield Assembly



FIXED HEAD

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